

PCT REQUEST

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0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE Version 3.50 (Build 0002.173)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Korean Intellectual Property Office (RO/KR)
0-7	Applicant's or agent's file reference	OF05P320
I	Title of Invention	THE APPARATUS AND METHOD FOR PREPARING SYNTHESIS GAS BY USING BARRIER DISCHARGE REACTION
II	Applicant	
II-1	This person is	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	Korea Institute of Science and Technology
II-5	Address	39-1, Hawolgok-dong, Seongbuk-gu, Seoul, 136-790 Republic of Korea
II-6	State of nationality	KR
II-7	State of residence	KR
II-8	Telephone No.	82-2-725-4774
II-9	Facsimile No.	82-2-722-0747
II-10	e-mail	syk@kcllaw.com
II-11	Applicant's registration No. with the Office	3-1998-007751-8

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III-1	Applicant and/or inventor	
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	LEE, Hwa Ung
III-1-5	Address	1-1209, Misung Apt., 186-1, Hongeundong, Seodaemun-gu, Seoul, 120-100 Republic of Korea
III-1-6	State of nationality	KR
III-1-7	State of residence	KR
III-2	Applicant and/or inventor	
III-2-1	This person is	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	SONG, Hyung Keun
III-2-5	Address	113-302, LG Xi 1-cha Apt., 873, Sinbong-dong, Yongin-si, Gyeonggi-do, 449-150 Republic of Korea
III-2-6	State of nationality	KR
III-2-7	State of residence	KR
III-3	Applicant and/or inventor	
III-3-1	This person is	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	CHOI, Jae Wook
III-3-5	Address	115-105, Guwoljugong Apt., Guwol 2(i)-dong, Namdong-gu, Incheon, 405-761 Republic of Korea
III-3-6	State of nationality	KR
III-3-7	State of residence	KR

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III-4	Applicant and/or inventor	
III-4-1	This person is applicant and inventor	
III-4-2	Applicant for US only	
III-4-4	Name (LAST, First) YANG, Gi Seok	
III-4-5	Address 314-10, Jugong Apt., 737, Sanggye-dong, Nowon-gu, Seoul, 139-200 Republic of Korea	
III-4-6	State of nationality KR	
III-4-7	State of residence KR	
IV-1	Agent or common representative; or address for correspondence	
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	
IV-1-1	Name (LAST, First) KIM, Sun-young	
IV-1-2	Address Korea Coal Center, 10th Floor, 80-6, Susong-Dong, Chongro-Ku, Seoul, 110-727 Republic of Korea	
IV-1-3	Telephone No. 82-2-725-4774	
IV-1-4	Facsimile No. 82-2-722-0747	
IV-1-5	e-mail syk@kcllaw.com	
IV-1-6	Agent's registration No. 9-1998-000131-1	
V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
V-2	Item V-2 may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. As to the consequences of such national law provisions in these and certain other States, see Designations in PCT-SAFE Help.	
	KR	

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VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	07 December 2004 (07.12.2004)	
VI-1-2	Number	10-2004-0102655	
VI-1-3	Country	KR	
VI-2	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
VII-1	International Searching Authority Chosen	Korean Intellectual Property Office (ISA/KR)	
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	✓
IX-2	Description	12	✓
IX-3	Claims	2	✓
IX-4	Abstract	1	✓
IX-5	Drawings	4	✓
IX-7	TOTAL	24	
IX-8	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-9	Fee calculation sheet	-	✓
IX-11	Original separate power of attorney	-	✓
IX-17	Copy of general power of attorney	-	✓
IX-17	PCT-SAFE physical media	-	-
IX-19	Figure of the drawings which should accompany the abstract	1	
IX-20	Language of filing of the international application	Korean	

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X-1	Signature of applicant, agent or common representative	
X-1-1	Name (LAST, First)	
X-1-2	Name of signatory	
X-1-3	Capacity	

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/KR
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by the International Bureau	
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PCT (ANNEX - FEE CALCULATION SHEET)

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(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only			
0-1	International Application No.			
0-2	Date stamp of the receiving Office			
0-4	Form PCT/RO/101 (Annex) PCT Fee Calculation Sheet Prepared Using	PCT-SAFE Version 3.50 (Build 0002.173)		
0-9	Applicant's or agent's file reference	OF05P320		
2	Applicant	KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY		
12	Calculation of prescribed fees	fee amount/multiplier	Total amounts (KRW)	
12-1	Transmittal fee	T	45000	
12-2-1	Search fee	S	225000	
12-2-2	International search to be carried out by	KR		
12-3	International filing fee (first 30 sheets)	I1	1126000	
12-4	Remaining sheets	0		
12-5	Additional amount (X)	0		
12-6	Total additional amount	I2	0	
12-7	i1 + i2 =	I	1126000	
12-12	Electronic Filing reduction (Full)	R	-241000	
12-13	Total International filing fee (i-R)	I	885000	
12-14	Fee for priority document Number of priority documents requested	1		
12-15	Fee per document (X)	500		
12-16	Total priority document fee: P	500		
12-17	TOTAL FEES PAYABLE (T+S+I+P)		1155500	
12-19	Mode of payment	cash		

PCT POWER OF ATTORNEY

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0-1	PCT Power of Attorney (for an international application filed under the Patent Cooperation Treaty) (PCT Rule 90.4)	
0-1-1	Prepared Using	PCT-SAFE Version 3.50 (Build 0002.173)
1	The undersigned applicant(s)	Korea Institute of Science and Technology; LEE, Hwa Ung; SONG, Hyung Keun; CHOI, Jae Wook; YANG, Gi Seok
1-1-1	hereby appoints (appoint) the following person	KIM, Sun-young Korea Coal Center, 10th Floor, 80-6, Susong-Dong, Chongro-Ku, Seoul, 110-727 Republic of Korea
1-2	as	agent
1-3	to represent the undersigned before	all the competent International Authorities
1-4	In connection with the international application identified below:	
1-4-1	Title of Invention	THE APPARATUS AND METHOD FOR PREPARING SYNTHESIS GAS BY USING BARRIER DISCHARGE REACTION
1-4-2	Applicant's or agent's file reference	OF05P320
1-4-3	International application number (if already available)	
1-4-4	filed with the following Office as receiving Office	Korean Intellectual Property Office (RO/KR)
1-5	and to make or receive payments on behalf of the undersigned	

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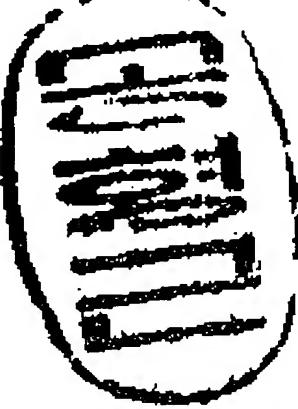
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2-1	Signature of applicant, agent or common representative	
2-1-1	Name	Korea Institute of Science and Technology
2-1-2	Name of signatory	Representative
2-1-3	Capacity	KIM, Youseung
2-2	Signature of applicant, agent or common representative	
2-2-1	Name (LAST, First)	LEE, Hwa Ung
2-2-2	Name of signatory	
2-2-3	Capacity	

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2-3	Signature of applicant, agent or common representative	
2-3-1	Name (LAST, First)	SONG, Hyung Keun
2-3-2	Name of signatory	
2-3-3	Capacity	
2-4	Signature of applicant, agent or common representative	
2-4-1	Name (LAST, First)	CHOI, Jae Wook
2-4-2	Name of signatory	
2-4-3	Capacity	

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2-5	Signature of applicant, agent or common representative	
2-5-1	Name (LAST, First)	YANG, Gi Seok
2-5-2	Name of signatory	
2-5-3	Capacity	
3	Date	28 October 2005 (28.10.2005)

GENERAL POWER OF ATTORNEY

Agent

Name: KIM, Sun-young

Address: Korea Coal Center, 10th Floor, 80-6
Susong-Dong, Chongro-Ku
Seoul, 110-727, Republic of Korea

I/We, the undersigned, do hereby appoint the above-identified agent as my/our agent to act for me/us in proceedings concerning all of my/our International Applications.

Date June 17, 2005

Applicant

Name : Korea Institute of Science and Technology
Representative: KIM, Youseung



Address : 39-1, Hawolgok-dong, Seongbuk-gu, Seoul,
Republic of Korea

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